



Agromet Advisory Service Bulletin for Thane and Palghar District
(Issued jointly by IAAS, Dr. B.S. Konkan Krishi Vidyapeeth,
& Regional India Meteorological Department, Mumbai)
(02358) 282387



No. 41/2019

Date: 21/05/2019

Duration – 5 days

Dr. Ashokkumar Chavan,
Head,
Department of Agronomy
9422373396

Dr. Vijay More,
Nodal Officer,
Department of Agronomy
9422374001

Dr. Shital Yadav,
Technical Officer,
Department of Agronomy
8379901160

Significant past weather for the preceding week (Period –15/05/2019 to 21/05/2019)							Weather Parameters	Weather forecast until 08.30 hrs of 26/05/2019				
15/05	16/05	17/05	18/05	19/05	20/05	21/05		22/05	23/05	24/05	25/05	26/05
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
30.0	31.4	34.2	33.6	32.6	32.4	34.8	Maximum temperature (°C)	41	41	40	39	37
24.6	24.2	24.6	24.4	24.4	24.2	25.4	Minimum temperature (°C)	25	25	25	25	25
0	0	0	0	0	0	0	Cloud cover (Octa)	0	0	1	1	2
80	71	75	85	81	83	80	Relative Humidity Max. (%)	74	88	88	89	90
70	73	67	75	77	67	-	Relative Humidity Min. (%)	28	33	32	35	40
10.6	10.0	14.3	4.4	4.0	5.2	5.2	Wind speed (Km/hr)	003	003	004	004	004
W	E	SW	NNW	WSW	WSW	WNW	Wind direction	WSW	SSW	SSW	SSW	SW
Rainfall (mm) in last week						Rainfall (mm) from 01/01/2019 to till dated		Total Rainfall (mm) in last year				
0.0						0.0		2359.6				

Agro-met Advisory

There will be increase in maximum and minimum temperature from 22nd to 26th May, 2019.

Crop	Stage	Agro Advise
Summer rice	Maturity	<ul style="list-style-type: none"> Harvest the matured rice crop and thresh it immediately. Dry the threshed grains in sun for 2 to 3 days.
Kharif rice	Nursery preparation	<ul style="list-style-type: none"> For preparation of rice nursery plough the area add FYM@1 kg per Sq.mt area and bring the soil to fine tilth. Prepare raised bed of 120 cm. breadth at bottom and 90 cm. on top along the slope of land. Convenient length of raised bed should be kept according to the land slope. Store sufficient quantity of improved seed and required fertilizers during kharif season.
Mango	Fruiting	<ul style="list-style-type: none"> Harvest the mature fruits before 10 hours in the morning and after 16 hours in the evening with the help on Nutan mango harvester at 80 to 85% maturity immediately which will help to reduce spongy tissue. Keep the harvested fruits in shade to prevent from heat and spongy tissue. To prevent incidence of post harvest diseases on fruits, place the fruits in hot water of 52°C for 10 minutes and then keep for ripening. Use C.F.B. (corrugated fiber box) for packing developed by B. S. Konkan Krishi Vidyapeeth, Dapoli. Transport of harvested fruits should be done preferably during night hours. Do not spray any insecticides/fungicides 8 days before harvesting of mango fruits. For control of fruit fly incidence, install ‘Rakshak fruit fly trap’ developed by University @ 4 traps per hectare. Collect and destroy fallen fruits and keep orchard clean. There is forecast for increase in temperature and decrease in afternoon relative humidity, provide irrigation to newly planted mango orchard at interval of 4 to 5 days also use straw or polythene mulch to reduce evaporation losses.
Coconut	-	<ul style="list-style-type: none"> There is forecast for increase in temperature and decrease in afternoon relative humidity, provide irrigation to coconut orchard at interval of 5 to 6 days also use straw mulch to reduce evaporation losses.
Sapota	-	<ul style="list-style-type: none"> There is forecast for increase in temperature and decrease in afternoon relative humidity, provide irrigation to newly planted sapota orchard at interval of 4 to 5 days also use straw or polythene mulch to reduce evaporation losses.
Banana	-	<ul style="list-style-type: none"> There is forecast for increase in temperature and decrease in afternoon relative humidity, Provide irrigation to banana orchard and use straw mulch to reduce evaporation losses. Provide support to banana tree which is in flowering stage also cover the bunches with gunny cloth or leaves to protect the fruits from sunburn and hot wind.
Vegetables/ Fruit crop nursery	-	<ul style="list-style-type: none"> For nursery of brinjal, chilli and tomato vegetables crops, prepare raised bed of 3m length x 1 m breadth x 15cm height. Apply 5 kg FYM, 35gm urea, 100gm single super phosphate and 25gm muriate of potash per sq. m. Sow the vegetable seed if irrigation facility is available. Treat the seed with thiram fungicide @ 3 gm/kg of seed before sowing. To protect the seedling from incidence of wilt disease, drenching of 1% bormixture 3 to 4 days before sowing on nursery bed is suggested. There is forecast for increase in temperature and decrease in afternoon relative humidity, provide sufficient irrigation to fruit crop nursery also provide shed to nursery seedlings..
Milch animal /goat/poultry	-	<ul style="list-style-type: none"> Provide clean, hygienic and plenty amount of drinking water to farm animals and poultry birds. To reduce the stress of heat in farm animals, provide roughages by mixing with solution of 1% jaggery and 0.5% salt separately. There is forecast for increase in temperature, hence protect animals and poultry birds from heat by covering roof of the shed with insulating materials such as paddy straw, dry coconut leaves and make arrangement for sprinkle cold water on the roof of shed during afternoon time. Use wet gunny bags as side curtains to protect animals and poultry birds from direct hot winds. Avoid grazing of farm animals during afternoon hours. To protect animals from heat, sprinkle cold water on animals during the afternoon, it will help to maintain the body temperature. In poultry shed, increase the water pot and provide adequate and clean water for drinking. Also, feed should be given in the morning or evening hours.

This Agro Advisory Bulletin (AAB) is prepared and published with the consultation and recommendation of SMS committees of “Gramin Krishi Mausam Sewa (GKMS)” Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli.
For more information contact nearby SAU research station or Agriculture officers of Agriculture Department, Maharashtra state.